

Date: Wed, 14 Apr 93 04:30:04 PDT  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: Bulk  
Subject: Packet-Radio Digest V93 #100  
To: packet-radio

Packet-Radio Digest                      Wed, 14 Apr 93                      Volume 93 : Issue 100

Today's Topics:

Amiga CBBS V7.20e available.  
Look for Phil Karn via E-Mail  
MSYS 1.14; is it out?

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 14 Apr 1993 03:51:44 GMT  
From: access.usask.ca!herald.usask.ca!hardie@decwrl.dec.com  
Subject: Amiga CBBS V7.20e available.  
To: packet-radio@ucsd.edu

My port of V7.20 of the IBM CBBS to the Amiga is available for anonymous  
ftp on ftp.usask.ca in pub/amiga/hamradio/cbbs-720e.lzh  
The source code is in a separate file in the same directory.  
There is also an archive of the 7plus program for the amiga which can be used  
in conjunction with CBBS or separately.  
73 de Pete    hardie@herald.usask.ca    VE5VA

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Date: Wed, 14 Apr 1993 03:46:06 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!  
csn!boulder!ucsu!proulx@network.UCSD.EDU  
Subject: Look for Phil Karn via E-Mail  
To: packet-radio@ucsd.edu

proulx@ucsu.Colorado.EDU (PROULX MARK JEROME) writes:

>Does anyone know what Phil Karn's e-mail address is? I would like to  
>ask him some questions concerning TCP/IP on packet for a presentation  
>I am working on for one of my grad classes.

>73

>Mark Proulx  
>N9EDK/0  
>proulx@ucsu.colorado.edu

Thanks to all who responded. I got the address.

Mark

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Date: Wed, 14 Apr 1993 03:52:27 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!mixcom.com!  
Glenn.Butzlaff@network.UCSD.EDU  
Subject: MSYS 1.14; is it out?  
To: packet-radio@ucsd.edu

Hello to the network

I heard from a local bbs sysop that MSYS 1.14 was available on some  
ham oriented LL bbs'. Does anyone know if it can be ftp'd from any  
site? Any info would be appreciated. Thanks in advance.

Regards  
Glenn Butzlaff

Glenn.Butzlaff@mixcom.com  
we9k@we9k.wi.usa.noam  
we9k@we9k.ampr.org [44.92.1.52]  
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Date: Wed, 14 Apr 1993 08:00:31 GMT  
From: qualcom.qualcomm.com!servo.qualcomm.com!karn@network.UCSD.EDU  
To: packet-radio@ucsd.edu

References <734345121.AA00794@his.com>, <1993Apr09.145903.49266@watson.ibm.com>,  
<1993Apr11.005402.14265@ke4zv.uucp>  
Subject : Re: Rich Man's Packet ... : -)

In article <1993Apr11.005402.14265@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)  
writes:

>The tricky part is to get a phase linear IF filter for the required  
>bandwidth. That was the most difficult part of the GRAPES modem  
>design.

The modern way to do this is with DSP. There's simply no better way to  
build a sharp, phase linear filter than with a finite impulse response  
(FIR) DSP routine.

>Other critical areas are the slicer, which has to deal with off  
>frequency signals, and the scrambler that removes any DC component  
>to the modulation. A DC component can corrupt data slicing at the  
>receiver by effectively shifting the transmit center frequency.

The slicer should also go in favor of a fast A/D converter that  
doesn't discard information. The slicer discards "bit quality"  
information that is extremely useful when you start using forward  
error correction coding. This is called "soft decision" decoding, and  
it provides about a 2dB advantage over hard decision decoding (i.e.  
slicing immediately to binary). You don't need many levels out of your  
A/D converter, 3 bits (8 levels) gives you most of the gain.

The WA4DSY transmitter is pretty good, but the receiver really ought  
to be replaced with a DSP engine. Modern DSPs are probably fast enough  
to do a pretty good job of coherent demodulation at 56kb/s (the DSY  
demod only does noncoherent), and today's 386/486 chips are fast  
enough to do some pretty strong FEC in real time at 56kb/s. Let's  
see... 3 dB gain for going coherent, 5-6 dB FEC coding gain (much more  
against non-white noise like radar), another dB or two for a better  
matched filter...pretty soon you're talking about some serious  
performance gains!

Phil

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Date: 14 Apr 1993 03:52:49 GMT  
From: vtserf.cc.vt.edu!vtaix.cc.vt.edu!prasad@uunet.uu.net  
To: packet-radio@ucsd.edu

References <q6iX2B1w165w@inqmind.bison.mb.ca>, <1qevrf\$4t@hpscit.sc.hp.com>,  
<1qf44aINN1l@rave.larc.nasa.gov>.cc.vt  
Subject : Re: Cable TVI interference

In article <1qf44aINN1l@rave.larc.nasa.gov> watson@nimbus.larc.nasa.gov (Catherine Watson) writes:

>I also have a problem with Channel 19 (CNN) - I can often hear people's  
>pagers and there are lines through the picture which come and go  
>with the transmissions. I wrote to the local FCC office and they turned the  
I am not sure if channel 19 is the culprit, 'cos we have CNN on 20 and  
it has the same problem you described. Even when they had old #s (17),  
I noticed that CNN had the same problem. I thought it was prob. due to  
too many people in our area (students) watching news. Only other channel  
I noticed such a thing was on 4. After getting the converter box,  
I just slap that thing once and guess what, the lines are gone, for sometime.

Life must have been so simple during the stone age.....

Prasad

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End of Packet-Radio Digest V93 #100

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